

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-365493

(43)Date of publication of application : 17.12.1992

(51)Int.Cl. C12P 13/14  
 //(C12P 13/14  
 C12R 1:15 )  
 (C12P 13/14  
 C12R 1:13 )

(21)Application number : 03-178450

(71)Applicant : AJINOMOTO CO INC

(22)Date of filing : 18.07.1991

(72)Inventor : MURAKAMI YUTAKA  
 KAWAHARA YOSHIO  
 IMAIZUMI KOICHI

(30)Priority

Priority number : 02239295 Priority date : 10.09.1990 Priority country : JP

## (54) PRODUCTION OF L-GLUTAMIC ACID BY FERMENTATION METHOD

(57)Abstract:

PURPOSE: To industrially and inexpensively obtain the subject compound by culturing a variant belonging to the genus Brevibacterium or Corynebacterium, capable of producing L-glutamic acid, and having resistance to antibiotics with inhibitory action on cell wall synthesis. CONSTITUTION: A variant [e.g.Brevibacterium lactofermentum-vancomycin resistant variant AJ12,557 (FERM P-11,730)] belonging to the genus Brevibacterium or Corynebacterium, capable of producing L-glutamic acid, and having resistance to antibiotics with inhibitory action on cell wall synthesis, is inoculated into a medium having an osmotic pressure of 2,000-4,000 mOsm/kg.H<sub>2</sub>O which is higher than a common medium in L-glutamic acid fermentation, subjected to shaking culture at 31.5°C, L-glutamic acid is formed and accumulated in the culture solution and collected to give the objective L-glutamic acid.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office